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Form PTO-1449

DEC 12 2003

Attorney Docket No.
050119-1091Serial No.
10/656,522

INFORMATION DISCLOSURE CITATION

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Applicant
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U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
JCT	A	2002/0069017A1	06/06/02	Schmier, et al.	701	213	01/18/02
	B	2002/0098802A1	05/29/03	Jones	340	994	11/20/02
	C	2002/0099500A1	07/25/02	Schmier, et al.	701	200	02/01/02
	D	4,894,649	01/16/90	Davis	340	825.44	01/07/88
	E	5,097,429	03/17/92	Wood, et al.	364	569	04/23/90
	F	5,271,484	12/21/93	Bahjat, et al.	187	29.1	04/10/91
	G	5,428,546	06/27/95	Shah, et al.	364	449	10/16/92
	H	5,446,678	08/29/95	Saltzstein, et al.	364	514	12/18/92
	I	5,570,100	10/29/96	Grube, et al.	364	446	03/10/94
	J	5,680,119	10/21/97	Magliari, et al.	340	904	06/06/96
JCT	K	5,513,111	04/30/96	Wortham	364	460	07/22/94

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	
JCT	L	EP 0219859 A2	04/29/87	Europe	G08G	1/12	X	
	M	EP 0805427 A1	11/05/97	Europe	G08G	1/123		X
	N	WO 90/01236	02/08/90	PCT	H04M	1/54	X	
JCT	O	WO 93/13503	07/08/93	PCT	G08	5/22	X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

JCT	P	"Public Transportation Information and Management Systems", IEE Colloquium, Computing and Control Division, May 25, 1993, pp. 9/1- 9/4, 12/1-12/2, 7/1-7/3.
JCT	Q	"Vehicle Location and Fleet Management Systems", IEE Colloquium, Computing and Control Division, June 8, 1993
JCT	R	The 3rd International Conference on Vehicle Navigation & Information Systems (VNIS) Norway, September 2-4, 1992, pp. 312-315

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John J. Jacob

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Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
JC	A	5,734,981	03/31/98	Kennedy, III, et al.	455	445	03/17/95
	B	5,774,825	06/30/98	Reynolds	364	449.7	10/18/95
	C	5,808,565	09/15/98	Matta, et al.	340	994	03/21/97
	D	6,094,149	07/25/00	Wilson	340	904	10/03/97
	E	6,097,317	08/01/00	Lewiner, et al.	340	994	04/30/97
	F	6,222,462	04/24/01	Hahn	340	904	05/13/99
	G	6,240,362	05/29/01	Gaspard II	701	209	10/19/00
	H	6,253,146	06/26/01	Hanson, et al.	701	202	12/06/99
JC	I	6,618,668	09/09/03	Laird	701	200	04/26/00
	J						
	K						

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		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
JC	L	WO 94/02922	02/03/94	PCT	G08G	1/123		X
	M	WO 94/27264	11/24/94	PCT	G08G	1/123	X	
	N	WO 96/04634	02/15/96	PCT	G08G	5/22		X
JC	O	WO 96/16386	05/30/96	PCT	G08G	1/123	X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

JC	P	Preiss, George; Jenson, Lillian; "The Satref and GPS Information Projects", 1992 IEEE - 3rd International Conference
		on Vehcile Navigation Information Systems, ppp. 648-655.
	Q	"Vehicle Navigation & Information Systems Conference Proceedings" (P-253), Society of Automotive Engineers, Inc.,
		October 1991, pp. 789-796.
JC	R	"1992 Compendium of Technical Papers", Institute of Transportation Engineers - INRAD: A Deminostration of Two-Way Roadway to Vehicle Communication for use in Traffic Operations", Annual Meeting, Washington, D.C.
		pp. 214-218.

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JCT	L	WO 98/07128	02/19/98	PCT	G08G	1/123		X
/	M	WO 98/08206	02/26/98	PCT	G08G		X	
/	N	WO 98/14926	04/09/98	PCT	G08G	1/123	X	
JCT	O	WO 98/40837	09/17/98	PCT	G06G	7/70	X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

JCT	P	"Paving the Way for GPS in Vehicle Tracking", Showcase World, December 1992.
JCT	Q	"Advanced Vehicle Monitoring and Communication Systems for Bus Transit", Federal Transit Administration, September 1991, Revised March 1993.
JCT	R	Koncz, et al., "GIS-Based Transit Information Bolsters Travel Options", GIS World, July 1995, pp. 62-64.

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JLJ	A	Helleker, Jan, "Real-Time Traveller Information – in everyone's pocket?! – a pilot test using hand-portable GSM terminals, IEEE – IEE Vehicle Navigation & Information systems Conference, Ottawa, VNIS 1993, pp. 49-52.					
	B	Burgener, E.C., et al., "A Personal Transit Arrival Time Receiver", IEEE – IEE Vehicle Navigation & Information Systems Conference, Ottawa, VNIS 1993, pp. 54-55.					
	C	Peng, Zhong-Ren, "A Methodology for Design for a GIS-Based Automatic Transit Traveler Information System", Computer, Environment and Urban Systems, Vol. 21, No. 5, pp. 359-372, 1997.					
	D	Lessard, Robert, "The Use of Computer for Urban Transit Operations", IEEE – IEE Vehicle Navigation & Information systems Conference, Ottawa, VNIS 1993, pp. 586-590.					
	E	Sommerville, Fraser, et al., "Reliable Information in Everyone's Pocket – a Pilot Test", IEEE, Vol. 1927, March 1994, pp. 425-428.					
	F	"PROMISE – Personal Mobile Traveller and Traffic Information Service – Specification of Promise Services, Ver. 7", Telematics Application Programme A2, Transport, July 1, 1996.					
	G	"PROMISE – Personal Mobile Traveller and Traffic Information Service – Generic Promise System Architecture, Ver. 2", Telematics Application Programme A2, Transport, September 10, 1996.					
	H	PROMISE – Personal Mobile Traveller and Traffic Information Service – Summary of Promise Public Relation Activities, Ver. 1", Telematics Application Programme A2, Transport, February 12, 1999.					
	I	"PROMISE" – A Personal Mobile Traveller and Traffic Information Service – Abstract", The Institution of Electrical Engineers, 1997.					
	J	Sommerville, Fraser, et al., "The Promise of Increased Patronage", The Institution of Electrical Engineers, 1993, pp. 3/1-3/4.					
	K	"Automatic Transit Location System", Washington State Department of Transportation, Final Report, February 1996.					
	L	"Advanced Traveler Aid Systems for Public Transportation", Federal Transit Administration, September 1994.					
	M	"Advanced Vehicle Monitoring and Communication Systems for Bus Transit: Benefits and Economic Feasibility", U.S. Department of Transportation, Urban Mass Transportation Administration, September 1991.					
	N	Leong, Robert, et al., "An Unconventional Approach to Automatic Vehicle Location and Control for Urban Transit", IEEE 1989, pp. 219-223.					
	O	"1994 Vehicle Navigation & Information Systems Conference Proceedings", Yokahama, Japan, August 31 – September 2, 1994, pp. 807-810.					
	P	"Vehicle Navigation & Information Systems Conference Proceedings – P-253, Part 2", Society of Automotive Engineers, Inc., October 1991.					
	Q	"Vehicle Navigation & Information Systems – Conference Record of Papers presented at the 3 rd Vehicle Navigation & Information Systems Conference 1992., Reso Hotel, Osio Plaza., pp. 49-52.					
JLJ	R	Nelson, J. Richard, "Experiences Gained in Implementing an Economical Universal Motorist System", IEEE – IEE Vehicle Navigation & Information Systems Conference, Ottawa, VNIS 1993, pp. 67-71.					
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<i>J. Louis-Jacques</i>				<i>5/10/04</i>			

Form PTO-1449		INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>		Attorney Docket No. 050119-1091	Serial No. 10/656,522
				Applicant Jones	
				Filing Date 09/05/03	Group
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)					
Examiner Initials	Item	Document Number	Date	Name	Class Subclass Filing Date If Appropriate
<i>JL</i>	A	"The Cassiope/Eurobus Approach", IEEE – IEE Vehicle Navigation & Information Systems Conference, Ottawa, VNIS 1993, pp. 79-81.			
	B	Kihl, Mary, "Advanced Vehicle Location System for Paratransit in Iowa", IEEE – IEE Vehicle Navigation & Information Systems Conference, Ottawa, VNIS 1993, pp. 381-384.			
	C	Gault, Helen, et al., "Automatic Vehicle Location and Control at OC Transpo", IEEE – IEE Vehicle Navigation & Information Systems Conference, Ottawa, VNIS 1993, pp. 596-600.			
	D	Vehicle navigation & Information System – Conference Record of Papers presented at the First Vehicle Navigation and Information Systems Conference (VNIS '89), Sept. 11-13, 1999, pp. 602-605.			
	E	Heti, Gabriel, "Travelguide: Ontario's Route Guidance System Demonstration", IEEE – IEE Vehicle Navigation & Information Systems Conference, Ottawa, VNIS 1993, pp. A13-A18.			
	F	Jeffery, D.J., et al., "Advanced Traveller Information Systems in the UK: Experience from the Pleiades and Romanse Projects", IEEE – IEE Vehicle Navigation & Information Systems Conference, Ottawa, VNIS 1993, pp. 309-313			
	G	Sweeney, Lawrence, E., et al., "Travinfo: A Progress Report", 1994 Vehicle Navigation & Information Systems Conference Proceedings, Yokahama, Japan, August 31 – September 2, 1994, pp. 315-320.			
	H	Shimamura, Yta, et al., "Combined Position Detection System for Pedestrian/Train Mode", 1994 Vehicle Navigation & Information Systems Conference Proceedings, Yokahama, Japan, August 31 – September 2, 1994, pp. 603-606.			
	I	Zavoli, Walt, "Customer Location Services", 1994 Vehicle Navigation & Information Systems Conference Proceedings, Yokahama, Japan, August 31 – September 2, 1994, pp. 613-617.			
	J	Tanaka, Yoshimi, et al., "Automatic Traffic Information Provision System Utilizing Facsimile and Telephone (Now Operating in Osaka)", 1994 Vehicle Navigation & Information Systems Conference Proceedings, Yokahama, Japan, August 31 – September 2, 1994, pp. 627-632.			
	K	McDonald, Mike, et al., "Romanse (Road Management System for Europe) Project", 1994 Vehicle Navigation & Information Systems Conference Proceedings, Yokahama, Japan, August 31 – September 2, 1994, pp. A-11 – A-14.			
	L	Scott III, Robert H., "Computer-Aided Dispatch", 1998, pp. 46-50.			
	M	Moore, Rodney J., "Hold the Phone!", American Demographics, Ithaca, Jan/Feb 1996, p. 68.			
	N	Delong, Jr., Edgar S., "Making 911 even better", Telephony, December 14, 1987, pp. 60-63.			
	O	Bruzek, Frank J., "Class Calling Service – A Consumer Service Perspective", Globecom '85 IEEE Global Telecommunications Conference, Dec. 2-5, 1985, Vol. 1 of 3, pp. 11.4.1 – 11.4.4.			

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EXAMINER'S SIGNATURE: <i>J. Louis - Jacobs</i>	DATE CONSIDERED: <i>5/20/04</i>
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10/656,522**INFORMATION DISCLOSURE CITATION**

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JW	A	Powell, R., et al., "Real Time Passenger Information System for the Romanse Project", Colloquin Digest - IEE, Boston, September 1993, pp. 9/1 - 9/3.					
	B	Huber, Paul, "Public Transport Information Systems in Munich", Intelligent Transport Systems World Congress '95 – Second Wold Congress on Intelligent Transport Systems, Yokohama, Japan., November 9-11. 1995, pp. 2362-2366.					
	C	Ronez, Nicholas, et al, "GIS-Based Transit Information Bolsters Travel Options", GIS World, Vol. 6, part 7, June 1995, pp. 62-64.					
	D	Catling, Ian, et al., "TABASCO – Improving Transport Systems in Europe", Pacific Rim TransTech Conference, July 30-August 2, 1995, 995 Vehicle Navigation & Information Systems Conference Proceedings, Washington State Convention and Trade Center, Seattle, Washington, USA, pp. 503-507.					
	E	Dailey, D.J., "Demonstration of an Advance Public Transportation System in the Context of an IVHS Regional Architecture", Proceedings of the First World Congress on Applications of Transport Telematics and Intelligent Vehicle-Highway Systems, November 30 – Dec. 3, 1994, Paris, France, pp. 3024-3031.					
	F	Hubner, Paul, "Advance Public Transportation Information in Munich", International Conference on Public Transport Electronic Systems, Conference Publication No. 42, June 1996.					
	G	Thompson, S.M., et al., "Exploiting Telecommunications to Delivery Real Time Transport Information", Road Transport Information and Control, 21-23 April, 1998, pp. 59-63, Conference Publication No. 454 IEE 1998.					
	H	Kaminitzer, David, et al., "Driver Information Systems: Influencing your Route, IEE Seminar, March 3, 1999, pp. 5/1 – 5/5.					
	I	"Board Cites ATC in Spokane Near Miss", Article in Aviation Week & Space Technology, March 28, 1977, URL: http://www.aviationnow.com .					
	J	Shifrin, Carole A., "Gate Assignment Expert System Reduces Delays at United's Hubs", Article in Aviation Week & Space Technology, January 25, 1988.					
	K	"United Airlines applies TI's advance technologies to improve gate management at major airports", Article in Business Wire, Inc., November 19, 1987.					
	L	Musich, Paula, "Airline Designs Software to move planes, people; Unite Airline's use of Covia Corp.'s Open Systems Manager, Connectivity Section", Article in PC Week, June 7, 1988, vol. 5, No. 23, pg. C11					
	M	Stoll, Marilyn, "Systems help Airlines Manage Gate Schedules; Connectivity Supplement", PC Week, July 25, 1988, Vol. 5, No. 30, pg. C4..					
	N	Reddy, Shyamala, "Traveling LAN: United Airlines Networks Its Terminals", Article in The Local Area Network Magazine, January 1990, Vol. 5, No. 1, pg. 108.					
JW	O	Fisher, Sharon, "Networked Airport Systems help Travelers find their way; United Airlines subsidiary Covia Corp. devices integrated network.", Article in Software Magazine, March 15, 1990, Vol. 10, NO. 4, Pg. 31..					

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EXAMINER'S SIGNATURE: J. Louis-Jacques

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JW	A	Henderson, Danna K., "Automation Takes aim at airports: the power of the networked PC is being unleashed on passenger handling and ramp activities worldwide.", Article in Air Transport Wold, August 1990., Vol, 27, No. 8, pg. 52.					
	B	"United Airlines introduces United Cargo Plug I, a new cargo computer system to serve freight forwarders", Business Wire, October 22, 1990.					
	C	Miller, Barry, "Special Report: Airline Equipment, Service Center", Aviation Week & Space Technology, August 25, 1975, pg. 51.					
	D	Lyon, Mark W., "Cargo Net Debate Splits Industry", Journal of Commerce, Specials, Pg. 4, July 27, 1992.					
	E	Davies, I.L., et al., "Electronics and the Aeroplane", Proceedings of the Institution of Electrical Engineers, Paper No. 7604, delivered before the IEE Electronics Division, 29 th October 1975.					
	F	"Global Niche", Flight International, September 26, 1990.					
	G	"Real-Time Briefings", Aviation Week and Space Technology, October 13, 1986.					
	H	Flanagan, Mike, et al., "Amelia Earhart - Mystery Still Clouds Soaring Achievements", Chicago Tribune, July 5, 1987, Final Edition, Pg. 5, Tempo Woman.					
	I	"Official Airline Guides", Airports®, November 20, 1990, Around Airports, Vol. 7, No. 47, pg. 485.					
	J	"Automation System Gains Acceptance", Aviation Week & Space Technology, November 23, 1992, Vol. 137, No. 21, pg. 97.					
	K	Klass, Philip, "French Testing 'Ground-Derived' MLS", Aviation & Space Technology, Avionics, Pg. 56, December 15, 1975.					
	L	"Forecast Realized for ATC System", Aviation & Space Technology, March 17, 1975, Avionics, Pg. 168.					
	M	Henderson, Danna, et al., "Ionworks: America West Automates New Phoenix Terminal Fully Integrated System to Handle Customer-Service Demands (America West Airlines Inc) (Includes Related Article Automation of passenger Service at Airports)", Airport Transport World, May 1, 1991. Vol. 62.					
	N	3 Pages from a web site search under http://mit.edu/afs/net.mit.edu/project/attic/usa-today/tech/37 , June 12, 2003					
	O	"What's New in passenger Handling Equipment", Air Transport World, Vol. 24, Pg. 62, September 1987.					
	P	"Senator Urges Acceleration of Navstar", Aviation & Space Technology, Avionics, pg. 153, October 3, 1983.					
	Q	"AFSC Broadens Joint Program Efforts", Aviation & Space Technology, System Acquisition, pg. 83, July 19, 1976.					
JW	R	"Herskovitz, Don, "GPS Insurance Antijamming the System; Brief Article", Journal of Electronic Defense, December 1, 2000, No. 12, Vol. 23, Pg. 41.					

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JLJ	A	Hambly, Richard M., et al., "Aircraft Traffic Management on the Airport Surface Using VHF Data Link for CNS", IEEE AES Systems Magazine, march 1995, pp. 9-13.					
	B	Berzins, G., et al., "INMARSAT: Worldwide Mobile Satellite Services on Seas, in Air and on Land", Space Technology, Vol. 10, No. 4, pp. 231-237, 1990.					
	C	Jenney, L.L., et al., "Man as Manager of Automated Resources in an Advanced Air Traffic System", J. Aircraft, Vol. 12, No. 12, December 1975.					
	D	"Routing & Scheduling System improvements from RTSI; Routing Technology Software, Inc.; Product Announcement", Modern Brewery Age, Vol. 43, No. 3, Pg. 11S, January 20, 1992.					
	E	Yanacek, Frank, "Hitching to the stars; satellites for shipment tracking", Research Information Transportation Journals, Combined, No. 6, Vol. 29, p. 16.					
	F	Stoll, Marilyn, "For on-the-road firms, hand-held terminals are pivotal. Connectivity", Research Information Transportation Journals, Combined, No. 34, Vol. 5, p. C11.					
	G	"IBM and Hunt to Market New Truck Tracker; International Business Machines", J.B. Hunt Transport Services; Brief Article, No. 210, Vol. 101, P. 4					
	H	Klass, Philip J., "Two Carriers Plan Automatic Data Link", Aviation Week and Space Technology, Air Transport Section, May 23, 1977, p. 36.					
	I	"Data Link Evolved Over Three Decades", Aviation Week and Space Technology, Air Transport Section, May 23, 1977, p. 36.					
	J	Klass, Philip J., "American to Install Printers in Cockpits", Aviation Week and Space Technology, Avionics, July 21, 1980, p. 56.					
	K	Lefer, Henry, "Computers on a boon to E&M, but at a price", Air Transport World, Vol. 23, Pg. 53, February, 1986.					
	L	Donaghue, J.A., "Choice of Data Link Systems Expands as New Generation Hits the Market", Air Transport World, Vol. 20, p. 58, April 1983.					
	M	Klass, Philip J., "Digital Network Could Improve Aircraft Links to Operations, ATC", Aviation Week and Space Technology, International Air Transport Section, Vol. 131, No. 21, P. 121, November 20, 1989.					
	N	Board Cites ATC in Spokane Near Miss", Article in Aviation Week & Space Technology, Safety Section, March 28, 1977, p. 59					
JLJ	O	"Vicorp Interactive Systems", Aviation Daily, Aviation Suppliers Section, Vol. 309, No. 17, pg. 147.					
JS	P						

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JC	A	Neumann, Dr. Horst, "ATC Concepts with Extensive Utilization of Automatic Data Processing", pp. 4-1 to 4-9; NO PUBLICATION INFORMATION OR DATE INFORMATION PROVIDED.					
	B	Maxwell, Robert L., "Automation Possibilities in Air Traffic Control", pp. 561-563, NO PUBLICATION INFORMATION OR DATE INFORMATION AVAILABLE.					
	C	"History of GPS", 3 pages, NO PUBLICATION INFORMATION OR DATE INFORMATION AVAILABLE.					
	D	"Road Transport Research – Intelligent Vehicle High Systems – Review of Field Trials", prepared by An OECD Scientific Expert Group, pp. 1-101, Organisation for Economic Co-Operation and Development - NO DATE INFORMATION AVAILABLE.					
	E	Ratcliff, Robert, et al., "Transportation Resources Information Processing System (TRIPS)", pp. 109-113, NO PUBLICATION INFORMATION OR DATE INFORMATION AVAILABLE.					
JC	F	Balke, Kevin,, et al., "Collection and Dissemination of Real-Time Travel Time and Incident Information with In-Vehicle Communication Technologies, pp. 77-82, NO PUBLICATION INFORMATION OR DATE INFORMATION AVAILABLE.					
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	C	09/852,199	05/06/97	Jones			
	D	09/516,288	03/01/00	Jones			
	E	09/163,588	09/30/98	Jones			
	F	10/436,346	05/12/03	Jones			
	G	10/300,460	11/20/02	Jones			
	H	10/322,956	12/18/02	Jones			
	I	10/392,264	03/18/03	Jones			
JC	J	10/326,556	12/20/02	Jones			
	K						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

JC	P	Moriok, et al., "Advanced Vehicle Monitoring and communication Systems for Bus Transit – Benefits and Economic Feasibility", Final Report - U.S. Department of Transportation, September 1991, Revised March 1993, Dot-T-94-03
JC	Q	Brynielsson, Thore, "Step by Step Development Towards Attractive Public Transport, Chalmers University of Technology, Goteborg, Sweden, Department of Transportation, 1976.
	R	

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U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
JL	A	10/435,765	05/12/03	Jones	—	—	
	B	10/436,120	05/12/03	Jones	—	—	
	C	10/436,119	05/12/03	Jones	—	—	
	D	10/435,770	05/12/03	Jones	—	—	
	E	10/326,196	05/12/03	Jones	—	—	
JL	F	10/435,770	05/12/03	Jones	—	—	
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JCT	A	2002/0082770 A1	06/27/02	Jones	—	—	
	B	2002/0070882 A1	06/13/02	Jones	—	—	
	C	2002/0016171 A1	02/07/02	Doganata, et al.	455	456	
	D	5,594,787	01/14/97	Ohshima, et al.	379	114	07/19/95
	E	RE35,920	10/13/98	Sorden, et al.	342	457	
JW	F	3,568,161	03/1971	Knickel	340	994	
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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
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JCT	L	2 559 930	08/23/85	France	G08G1	12		x
	M	2674355		France				x
	N	JP 11034872 A	02/09/99	Japan	B61L25	02		x
JW	O	52066175	06/01/77	Japan				x

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U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
JG	A	3,644,883	02/22/72	Borman, et al.	340	23	
	B	3,845,289	10/29/74	French	235	151.2	
	C	3,886,515	05/1975	Cottin, et al.	340	994	
	D	3,934,125	01/20/76	Macano	235	150.2	
	E	4,220,946	09/02/80	Henriot	340	23	04/20/78
	F	4,297,672	10/27/81	Fruchey, et al.	340	23	
	G	4,325,057	04/13/82	Bishop	340	539	
	H	4,350,969	09/21/82	Greer	340	23	
	I	4,525,601	06/25/85	Barnich, et. Al.	379	7MM	12/13/83
	J	4,585,904	04/29/86	Mincone, et al.	179	7.1 TP	01/06/84
JG	K	4,713,661	12/15/87	Boone, et al.	340	994	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	Yes	No
JG	L	63288400	11/88	Japan	G08G1	12			
JG	M	WO 93/13510 A1	07/08/93	Great Britain	G08G1	123			
	N								
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U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
JL	A	4,791,571	12/13/88	Takahashi, et al.	364	436	
	B	4,799,162	01/17/89	Shinkawa, et al.	364	436	
	C	4,804,837	02/14/89	Farley	250	251	01/11/88
	D	4,812,843	03/14/89	Champion III, et al.	340	905	
	E	4,813,065	03/14/89	Segala	379	112	10/13/87
	F	4,857,925	08/15/89	Brubaker	340	994	01/11/88
	G	4,956,777	09/11/90	Cearley, et al.	364	424.02	
	H	5,003,584	03/26/91	Benyacar, et al.	379	119	04/16/90
	I	5,006,847	04/09/91	Rush, et al.	340	994	05/04/88
	J	5,014,206	05/07/91	Scribner, et al.	364	449	08/22/88
JL	K	5,021,780	06/04/91	Fabiano, et al.	340	994	

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U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
JL	A	5,021,789	06/1991	Fabiano, et al.	264	436	
	B	5,048,079	09/10/91	Harrington, et al.	379	112	08/10/90
	C	5,068,656	12/21/90	Sutherland	340	989	12/21/90
	D	5,103,475	04/07/92	Shuen	379	115	10/29/90
	E	5,113,185	05/12/92	Ichikawa	340	995	
	F	5,121,326	06/09/92	Moroto, et al.	364	449	
	G	5,122,959	06/16/92	Nathanson, et al.	364	436	
	H	5,131,020	07/14/92	Liebesney, et al.	379	59	
	I	5,144,301	09/01/92	Jackson, et al.	340	994	
	J	5,146,491	09/08/92	Silver, et al.	379	114	08/08/91
JL	K	5,155,689	10/13/92	Wortham	364	460	

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JW	A	5,168,451	12/01/92	Bolger	364	436	
	B	5,179,584	01/12/93	Tsumura	379	114	11/01/91
	C	5,218,629	06/08/93	Dumond, Jr., et al.	379	59	
	D	5,218,632	06/08/93	Cool	379	126	10/16/91
	E	5,223,844	06/29/93	Mansell, et al.	342	357	
	F	5,243,529	09/07/93	Kashiwazaki	364	449	06/29/92
	G	5,263,260	04/22/97	Jones	340	994	
	H	5,299,132	03/29/94	Wortham	364	460	
	I	5,323,456	06/21/94	Oprea	379	375	
	J	5,351,194	09/27/94	Ross, et al.	364	449	
JW	K	5,361,296	11/01/97	Reyes, et al.	379	96	

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J. (Signature)

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U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
JLJ	A	5,381,338	01/10/95	Wysocki, et al.	364	449	
	B	5,381,467	01/10/95	Rosinski, et al.	379	121	10/30/92
	C	5,394,332	02/28/95	Kuwahara, et al.	364	449	
	D	5,398,190	03/14/95	Wortham	364	460	
	E	5,400,020	03/21/95	Jones	340	994	
	F	5,420,794	05/30/95	James	364	436	
	G	5,432,841	07/11/95	Rimer	379	59	
	H	5,440,489	08/08/95	Newman	364	426.05	01/21/93
	I	5,444,444	08/22/95	Ross	340	994	
	J	5,448,479	09/05/95	Kemner, et al.	365	424.02	
JLJ	K	5,461,374	10/24/95	Lewiner, et al.	340	994	

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J. (Jan -) Acuiz.

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U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
JW	A	5,483,234	01/09/96	Correel, et al.	340	994	06/02/94
	B	5,483,454	01/19/96	Lewiner, et al.	364	443	
	C	5,493,295	02/20/96	Lewiner, et al.	340	994	
	D	5,493,694	02/20/96	Vlcek, et al.	455	53.1	
	E	5,506,893	04/09/96	Buscher, et al.	379	114	11/29/94
	F	5,515,421	05/07/96	Sikand, et al.	379	67	07/26/94
	G	5,519,621	05/21/96	Wortham	364	460	
	H	5,526,401	06/11/96	Roach, Jr., et al.	379	59	
	I	5,539,810	07/23/96	Kennedy III, et al.	379	59	
	J	5,544,225	08/06/96	Kennedy III, et al.	379	59	
JW	K	5,546,444	08/13/96	Roach, Jr., et al.	379	59	

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Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
JW	A	5,552,795	09/03/96	Tayloe, et al.	342	357	05/03/94
	B	5,559,871	09/24/96	Smith	379	115	09/23/94
	C	5,577,101	11/19/96	Bohm	379	58	04/10/96
	D	5,579,376	11/26/96	Kennedy III, et al.	379	60	
	E	5,587,715	12/24/96	Lewis	342	357	
	F	5,594,650	01/14/97	Shah, et al.	364	449.1	
	G	5,602,739	02/11/97	Haagenstad, et al.	364	436	11/22/95
	H	5,623,260	04/22/97	Jones	340	994	
	I	5,648,770	07/15/97	Ross	340	994	
	J	5,652,707	07/29/97	Wortham	364	460	
JW	K	5,657,010	08/12/97	Jones	340	994	

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U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
JLJ	A	5,668,543	09/16/97	Jones	340	994	
	B	5,673,305	09/30/97	Ross	379	58	
	C	5,694,322	12/02/97	Westerlage, et al.	364	464	
	D	5,694,459	12/02/97	Backaus, et al.	379	427	01/16/97
	E	5,699,275	12/16/97	Beasley, et al.	364	514 R	
	F	5,712,908	01/27/98	Brinkman, et al.	379	119	05/17/96
	G	5,715,307	03/03/98	Zazzera	379	265	04/18/96
	H	5,719,771	02/17/98	Buck, et al.	364	443	
	I	5,724,243	03/03/89	Westerlage, et al.	364	446	02/10/95
	J	5,724,584	03/03/98	Peters, et al.	395	671	08/15/96
JLJ	K	5,729,597	03/17/98	Bhusri	379	115	05/16/95

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JL	A	5,732,074	03/24/98	Spaur, et al.	370	313	
1	B	5,736,940	04/07/98	Burgener	340	994	
	C	5,739,774	04/14/98	Olandesi	340	994	07/12/96
	D	5,742,672	04/21/98	Burk	379	198	07/18/95
	E	5,751,245	05/12/98	Janký, et al.	342	357	
	F	5,760,742	06/02/98	Branch, et al.	342	457	08/20/97
	G	5,771,282	06/23/98	Friedes	379	121	12/04/96
	H	5,771,455	06/23/98	Kennedy III, et al.	455	456	
	I	5,781,156	07/14/98	Krasner	342	357	04/23/97
	J	5,784,443	07/21/98	Chapman, et al.	379	119	02/01/96
JL	K	5,793,853	08/11/98	Sbisa	379	120	06/22/95

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JG	A	5,796,365	08/18/98	Lewis	342	357	
	B	5,799,073	08/25/98	Fleischer, III, et.al.	379	113	06/07/95
	C	5,799,263	08/25/98	Culbertson	701	117	
	D	5,805,680	09/08/98	Penzias	379	118	01/02/96
	E	5,808,565	09/15/98	Matta, et al.	340	994	
	F	5,835,580	11/10/98	Frazer	379	115	04/04/96
	G	5,841,847	11/24/98	Graham, et al.	379	114	04/11/97
	H	5,864,610	01/26/99	Ronen	379	127	01/26/98
	I	5,875,238	02/23/99	Glitho, et al.	379	116	12/21/95
	J	5,881,138	03/09/99	Kearns, et al.	379	114	04/25/97
JG	K	5,910,979	06/08/99	Goel, et al.	379	120	10/20/97

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JLJ	A	5,912,954	06/15/99	Whited, et al.	379	115	12/31/97
	B	5,915,006	06/22/99	Jagadish, et al.	379	127	05/01/97
	C	5,920,613	07/06/99	Alcott, et al.	379	114	04/25/97
	D	5,922,040	07/13/99	Prabhakaran	701	117	
	E	5,937,044	08/10/99	Kim	379	121	09/30/96
	F	5,943,320	08/24/99	Weik, et al.	370	259	12/12/96
	G	5,943,406	08/24/99	Leta, et al.	379	120	09/30/97
	H	5,943,657	08/24/99	Freestone, et al.	705	400	09/30/96
	I	5,945,919	08/31/99	Trask	340	825.491	
	J	5,946,379	08/31/99	Bhusri	379	115	07/31/98
JLJ	K	5,950,174	09/07/99	Brendzel	705	34	09/07/99

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		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
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Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
JW	A	5,952,659	12/22/98	Welter, Jr.	379	116	12/29/95
	B	5,955,974	09/21/99	Togawa	340	994	
	C	5,956,391	09/21/99	Melen, et al.	379	114	02/10/97
	D	5,982,864	11/09/99	Jagadish, et al.	379	115	05/01/97
	E	5,987,103	11/16/99	Jagadish, et al.	379	114	03/19/97
	F	5,987,377	11/16/99	Westerlage, et al.	701	204	03/02/98
	G	5,991,377	11/23/99	Malik	379	114	08/11/97
	H	5,991,380	11/23/99	Bruno, et al.	379	115	10/21/97
	I	5,991,381	11/23/99	Bouanaka, et al.	379	115	10/30/97
	J	5,995,602	11/30/99	Johnson, et al.	379	116	03/24/99
JW	K	6,006,159	12/21/99	Schmier, et al.	701	200	

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JCT	A	6,111,538	08/2000	Schuchman, et al.	342	357	
	B	6,124,810	09/26/00	Segal, et al.	340	994	
	C	6,134,501	10/17/00	Oumi	701	209	08/31/98
	D	6,137,425	10/24/00	Oster, et al.	340	994	11/24/98
	E	6,144,301	11/07/00	Frieden	340	572.8	02/10/97
	F	6,178,378	01/23/01	Leibold	701	202	04/30/99
	G	6,184,802	02/06/01	Lamb	340	994	
	H	6,191,708	02/20/01	Davidson	340	994	
	I	6,253,148	06/26/01	Decaux, et al.	701	204	
	J	6,278,936	08/21/01	Jones	701	201	
JCT	K	6,313,760	11/06/01	Jones	340	994	

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JLJ	A	6,317,060	11/13/01	Jones	340	994	
	B	6,360,101	09/19/02	Irvin	445	456	
	C	6,363,254	03/26/02	Jones, et al.	455	456	
	D	6,363,323	03/26/02	Jones	701	213	
	E	6,374,176	04/16/02	Schmier, et al.	701	200	
	F	6,400,956	06/04/02	Richton	455	456	
	G	6,411,891	06/25/02	Jones	701	201	
	H	6,415,207	07/02/02	Jones	701	1	
	I	6,486,801	11/26/02	Jones	340	994	
	J	6,492,912	12/10/02	Jones	340	994	
JLJ	K	6,510,383	01/21/03	Jones	340	994	

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